ORDER NO. SD0601E01CE2

Service Manual

Sonic Vibration Toothbrush

EW1012-E2

SPECIFICATIONS

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Power source	:	AC 220 / 240V, 50-60Hz
Battery	:	1Ni-MH battery (DC1.2V, 1100mAh)
Charging time	:	15 hours
Current consumption	:	2W (when fully charged)
Operating time	:	Approx. 50 minutes of continuous use (at a room temperature of 20 °C with 300g load after the battery has been fully charged)
Dimensions	:	Main unit: 26 to 28 x 169(H) mm Charger: 134(H) X 215(W) X 102(D) mm
Weight	:	Main unit: 150g Charger: 215g
Supplied accessory	:	Float brush

About lead free solder(PbF) / Distinction of the PbF PCB :

-PCB's(manufactured) using lead free solder will have a PbF stemp on the PCB

Caution:

-Pb free solder has a higher melting point than standard solder; Typically the melting point is 50 - 70°F(30 - 40°C) higher.

Please use a soldering iron with temperature control within three seconds and adjust it to 750±20°F(400c10°C). In case of using high temperature soldering iron, Please be careful not to heat too long.

-Pb free solder will tend to splash when heated too high(about 1100°F/600°C).

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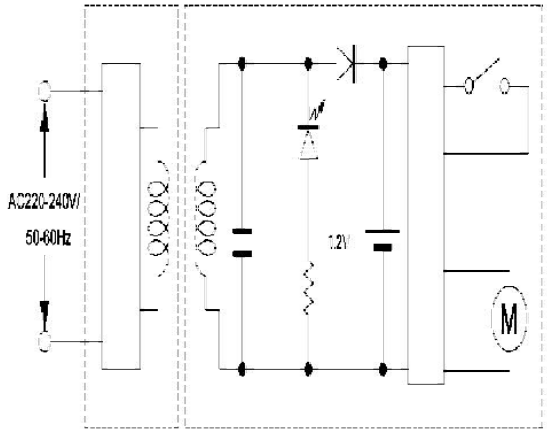
⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

1. SCHEMATIC DIAGRAM



2. DISASSEMBLY INSTRUCTIONS

1. Remove the Waterproof boot holder. Insert the slotted screwdriver into the ditch and remove it with fingers.

Figure 1

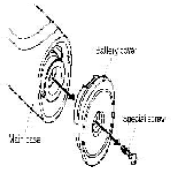
2. Before removing the Waterproof rubber, apply a few drops of alcohol on the Driving shaft.

***When removing the Waterproof rubber, remove its center first so as to prevent tears as the Figure 2.**

Figure 2

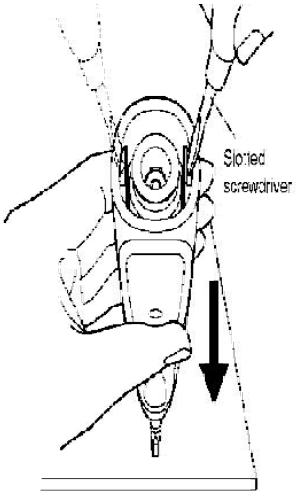
3. Remove the Screw and the Battery cover as the Figure 3.

Figure 3



4. Stand the Driving shaft on the flat surface and bend the Hooks on the bottom of the Main body inward with a slotted screwdriver and push down the Main body to pull the Driving block.

Figure 4



5. Remove the Driving block and the Rechargeable battery.

Caution: Driving block cannot be disassembled.

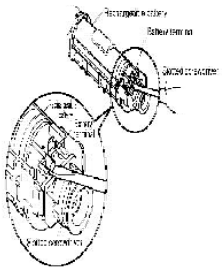
Figure 5

Disassembly of Rechargeable battery

1. Be careful not to disfigure the V-shaped battery terminal of the Chassis.

2. **Be careful not to disfigure the Connection terminals of the 2nd coil as the Figure 5.**

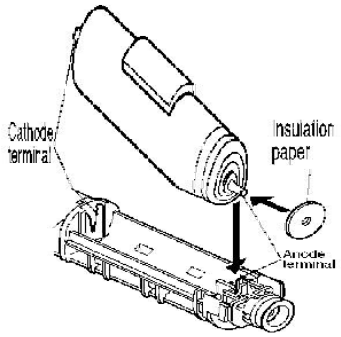
Figure 6



3. ASSEMBLY INSTRUCTIONS

1. **First, insert the side of the anode terminal. (Be careful of the Insulation paper and the Battery cushion.) (See Figure 7)**

Figure 7



2. **When installing the Driving block to the Main case, be sure to make the 2nd coil block inserted to the ditch of the Driving block as the Figure 8. Then, push the Driving block with the Coil connection wire and the Battery holder installed. And install the Driving block so that the ditch goes into the rib of the Main case till the hook of the Batter holder clicks. (Push down the center of the ditch not the 2nd coil.)**

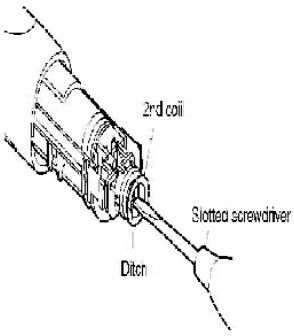


Figure 8

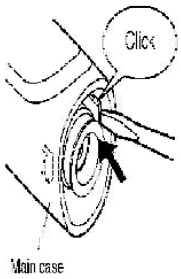
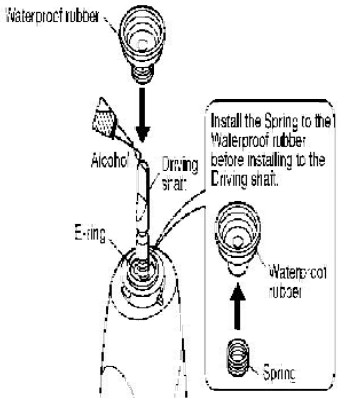


Figure 9

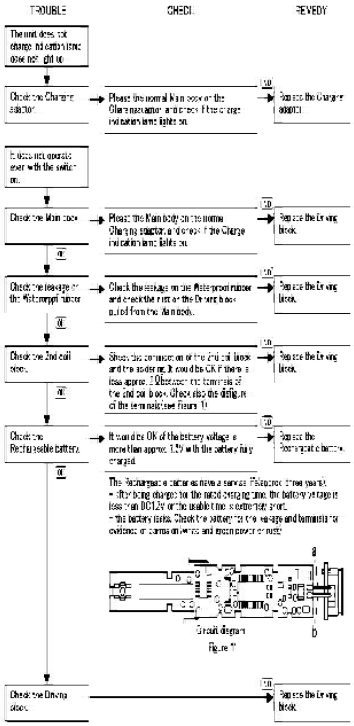
3. Install the Spring to the Waterproof rubber first and apply the alcohol to the Driving shaft. Then, install the Waterproof rubber firmly touching the E-ring so that the Spring does not come off.

Figure 10

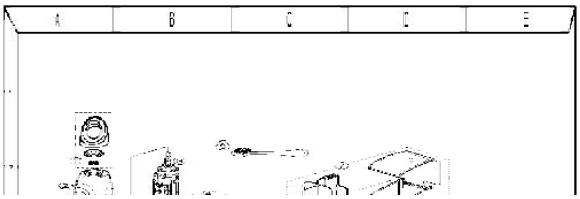


4. TROUBLESHOOTING GUIDE

When repairing, be sure to wipe the power plug of the Charging adaptor with dry cloth so as to prevent the inferiation of the insulation.



5. EXPLODED VIEW & REPLACEMENT PARTS LIST



Ref. No.	Part No.	Part Name & Description	Remarks	Per Unit
1	WEW1011W3537	WATERPROOF RUBBER		1
2	WEW1012W3058	MAIN CASE		1
3	WEW1012L4057	DRIVING BLOCK		1
4	WEW1012L2508	RECHARGEABLE BATTERY		1
5	WEW1012W3127	BATTERY COVER		1
6	WEW1011L9007	SCREW(K2-8)		1
7	WEW1012W7658	CHARGING ADAPTOR		1
8	WEW1012A3388	BRUSH HOLDER		1
9	WEW0920W	FLOAT BRUSH	*1	1
	WEW1012W8008	PACKAGING		1
	WEW1012W8088	OPERATING INSTRUCTIONS		1

***1 Commercially available**